BRUHAT BANGALORE MAHANAGARA PALIKE
RAJARAJESHWARI NAGARA ZONE

Name Work: Improvements to Park and other works at J.P. Park, Ward No. 17, RRN Zone.

Job Code:- **Est Cost :** **3000000.00**

Sl No	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
1	Earthwork in surface excation in **Ordinary soil** for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cable) and removing the excavated stuff to distance not exceeding 50m and lift up to 1.5m excavated surface leveled and neatly dressed disposed as per specification. pathway and as per the direction of the engineer in charge of the work in hard soil PWD(BC) Item No.2.1 Page No.5								
	Basic Rate	117.00	7.02	124.02					
	Peeble Pathway		1	10.85	8.25	0.30	26.85		
	New Sclptures		12	0.60	0.90	0.30	1.94		
			1	8.80	5.40	0.30	14.26		
	For benches		14	2.50	1.50	0.30	15.75		
							58.80	124.02	7292.00
2	Earthwork excavation for foundation of buildings, water supply sanitary lines and electrical conduits either in pits or in trenches 1.5m. In and above in width, in **hard soil** not exceeding 1.5m in depth including dressing in bottom and sides of pits and trenches, stacking the excavated soil clear from edges complete as per specifications. and as per the direction of the engineer in charge specifications. and as per the directions of the engineer in charge of the work PWD(BC) SR-2011-12 Item No.2.40 Page No.5								
	Basic Rate	211.00	12.66	223.66	Cum				
	For Pathway Entrance Kerb		1	40.50	0.30	0.30	3.65		
	New Sclptures		12	0.60	0.90	0.30	1.94		
			2	2.50	0.75	0.30	1.13		
			2	2.00	0.60	0.30	0.72		
	Rajkumar Statue For Fence Poles		12	0.30	0.30	0.40	0.43		
	For benches		14	2.00	1.20	0.15	5.04		
							12.91	223.66	2887.00
3	Providing Red Soil at site Including Loding and Unloding Transportation Charges.								
		337.50							
	For Pathway Out Side	Cum	1	208.20	1.85	0.33	125.18		
	Inner		1	171.50	1.85	0.35	111.05		
							236.23	337.50	79728.00

Sl No	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
4	Filling available excavated earth (excluding rock) insides of foundations upto plinth in layers not exceeding 20 cms. in depth,compacting each deposited layer by ramming after watering with leadupto 50 m. and lift upto 1.5 m. including cost of all labour complete asper specifications. Page No 6 Item No 2.10								
	Basic Rate	94.00	5.64	99.64	Cum				
	For Pathway Out Side	Cum	1	208.00	1.85	0.30	115.44		
	Inner		1	171.00	1.85	0.30	94.91		
							210.35	99.64	20959.00
5	KSRB 4-1.1: Providing and laying in position plain cement concrete of mix M15 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No 12 Item No 4.6								
	Basic Rate	4425.00	265.50	4690.50	Cum				
	For Pathway Entrance	Cum	1	11.10	3.40	0.15	5.66		
			1	8.35	2.95	0.15	3.69		
			1	5.75	2.80	0.15	2.42		
			1	4.95	3.90	0.15	2.90		
	New Sclptures		12	0.60	0.90	0.15	0.97		
			2	2.50	0.75	0.15	0.56		
			2	2.00	0.60	0.15	0.36		
	Rajkumar Statue For Fence Poles		12	0.30	0.30	0.30	0.32		
	For benches		14	2.00	1.20	0.20	6.72		
							23.60	4690.50	110696.00
6	KSRRB M400-6.2. Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixingby mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B. By Mix in Place Method. . Close graded granular sub-base material as per 400-1 For Grading I Material Page 164 Item No 20.5.1and Page No 168 Note 5.								
	BR=1064+(15*4.90)+6%=1127.84								
	Peeble Pathway	Cum	1	10.85	8.20	0.30	26.69		

Sl No	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
							26.69	1127.84	30102.00
7	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plasting and finishing cutting etc., complete size:0.50x0.15x0.45 and as per the direction of the engineer in charge of the work PWD(BC) SR 2011-12 Item No.5.30 Page No.28								
	Basic Rate=		262.00	15.72	277.72	Each			
	For Pathway Entrance Kerb		1	56.00			56.00		
	Bridge Ramp Kerb		1	19.50			19.50		
							75.50	262.85	39958
			75.50		0.45		168.00	244.80	41126.00
8	Providing and heavy duty cobbles stones 60mm thick inter lock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick and bed (average thickness) and compacting with plate vibrator having 3 tones compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its ginal compaction of paver surface joints into its final level, including cost of materials, labour and HM of machineries complete as per specification and as per the direction of the engineer in charge of the work PWD(BC) SR 2011-12 Item No.14.6 Page No.108								
	Basic Rate=		786.00	47.16	833.16				
	Near Bridge		1	9.30	2.8		26.04		
						Qty Ltd	26.04	833.16	21695.00
9	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No 12 Item No 4.6								
	Basic Rate=		4425.00	265.50	4690.50				
	For Pathway Entrance	Cum	1	11.10	3.40	0.12	4.53		
			1	8.35	2.95	0.12	2.96		
			1	5.75	2.80	0.12	1.93		
			1	4.95	3.90	0.12	2.32		
	New Sclptures		12	0.60	0.90	0.10	0.65		
			2	2.50	0.75	0.10	0.38		
			2	2.00	0.60	0.10	0.24		

Sl No	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
	Rajkumar Statue		12	0.30	0.30	0.10	0.11		
	For benches		14	2.00	1.20	0.20	6.72		
							19.84	4690.50	93060.00
10	Providing and Fixing Pebbele Stones to Pathway on 1:5 C.M Cement Bed of 50mm Thick. The Pebbels are Fixid in Cement Slurry including all Materials Loading and unloading Transportation and all Wastages, all Laboure Charges Curing Complete. as per Approvd Datarate.								
	Data rate		2120.00						
	For Pathway Entrance	Cum	1	11.10	3.40		37.74		
			1	8.35	2.90		24.22		
			1	5.75	2.80		16.10		
			1	4.95	3.90		19.31		
							97.36	2120.00	206403.00
11	Specification:- Providing and constructing **Animal** Statues of size 2'6"x 2'6"x 4'6" with using of 'L' angles etc., cut in size welded properly in position hollow porion to be filled with brick bats and cement mortar layer by layer and chicken mesh covered using 10mm, 8mm, rods 150mm c to c fix it properly and double coat plastering first coat is rough plastering to laying above the chicken mesh the second coat is plastering 20mm thick plaster painting over smooth surface black colour primer and above that painting to be done in three layers of emulsion of asian paint as per artist design above the rough coat, neat cement slurry finishing including material, labour, transportation, taxes etc., complete as per Data rate to be approved.								
	For New Animal Sculpture Sheep	Nos	10				10.00	165000.00	1650000.00
12	Providing and fixing M.S.Grill over existing compound wall as perChief Architect drawing No. 12686, using 16mm x 16mm M.S.Squarerod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontaland 6mm x12mm M.S. flat for ornamental design and providing shopedge desgn at the vertex of every vertical rods, including welding, grindingwherever necessary. All the steel surface should be thoroughly cleanedfree of rust and painted with anti corrosive paint (shop paint) etc.,complete. The work includes cost of all materials, labour charges forall items of work, hire charges for welding, cutting and grindingequipment, and electricity charges, etc., complete as per specification. P-47, I-7.36								
	Basic Rate=		5526.00	331.56	5857.56				
	Grill		2	8.75		1.50	26.25		
			2	5.40		1.50	16.20		

Sl No	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
							42.45	5857.56	248653.00
13	Providing and fixing Joint bench of Granite made out of Sadarahalli Grey Stone legs with back supporting with 75mm slab with Granite Polished and Hand Rest all accessories and with all lead and lift, loading and nloading etc., complete and as per approved design and directions of the Engineer-in-charge. Data Rate.								
		Each	14				14.00	10500.00	147000.00
14	Providing and Fixing Pre Cast RCC Name Boards Data Rate. (Rate analysis) enclosed								
			21				21.00	2710.00	56910.00
15	Painting two coats on New Concrete Surface:-Paintingtwo coats after filling the surface with synthetic enamel paint in all shadeson new plastered concrete surfaces complete as per specifications. Page No 193 Item No24.7								
	Basic Rate=		54.00	3.24	57.24	Sqm			
	Board	2	21	0.80	0.40		13.44		
	Legs	2	21	0.30	0.40		5.04		
							18.48	57.24	1058.00
16	Painting New Letter and Figures of any Shade withsynthetic enamel paint black or any other approved colour to give aneven shade complete as per specifications. ("i) Hindi (Matras commasand the like not to be measured and paid for half letter shall be countedas half) Page No 193 Item No24.9								
	Basic Rate=		0.60	0.04	0.64	cm			
		2	21	60.00			2520.00	0.64	1603.00
17	Providing and applying ready mix priming coat over concrete/ masonry / absetos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.P-128, I-15.80								
	BR=22+6%=23.32	Sqm	1	75.50		0.25	18.88	23.32	440.00
18	Providing and applying Spray Painting in two coats (excluding priming coat) over concrete / masonery / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. and as per the direction of the engineer in charge of work PWD(BC) Item No.15.81 Page No.128								
	BR=56+6%=55.65	SQM	1	75.50		0.25	18.88	59.36	1121.00
19	Loading and unloading of stone Boulder / stone aggregate /Sand/Kanker/Moorum. KSRRB M100-1: Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications, Cost of Haulage Excluding and unloading Page No.141 Item No.17.1 & 17.4 Page No. 141 Note (=10x1.35x2)=27+62.2=89.20								
	Qty Vide I No 1 and 2	Cum					71.71	89.20	6397.00
							2726853	Total	2727130.00
20	Add 10% KRIDL Charges						272685		272713.00

27,29,891

Sl No	Description of work	Unit	Nos	L	B	D	Qty	Rate	Amount
20	scellaneous and unforseen charges							462.00	278.00
								Total	3000000.00

(Rupees Thirty Lakhs Only)

CERTIFICATE

1 Certified that the estimate is prepared on the basis of CSR of PW,MI, Bangalore Circle, Bangalore for the year 2013-14

2 Certified that the above area comes under BBMP limits..

Asst. Engineer
RR Nagara Division(P)
B.B.M.P.

Asst. Executive Engineer
RR Nagara Division(P)
B.B.M.P.

Executive Engineer
RR Nagara Division(P)
B.B.M.P.

ADMINISTRATIVE APPROVED

Rs : 30,00,000/- (Thirty lakhs Only) is accorded under the head : P-0974

By AC (R.R.N.) : Sl.No. 2848

Vide Register Page No. 52-53 subject to conditions contained in enclosed memo No. AC/2848/13-14 Date : 13/02/14

TA, AC (R.R.N.)

TECHNICAL SANCTION

Rs: 27,26,853.00 (Twenty Seven Lakhs Twenty Six thousand eight fifty three only) is accorded under the head: P-0974

By CE(R.R.N.): Sl. No. 596.

Registered as CE (R.R.N) No: 156-157 subject to conditions contained in enclosed memo No: TS/596/13-14 Date: 22/2/14.

TA, CE (R.R.N.)